

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (currently amended) An elongate medical device suitable for packaging in a generally tubular member having a lumen defined by an inner surface, the elongated medical device comprising:

an elongate shaft having a proximal end and a distal end, the elongate shaft extending from a proximal portion of the elongated medical device to a distal portion of the elongated medical device;

a hub assembly including a proximal end and a distal end, the proximal end of the elongate shaft connected to the hub assembly such that the elongate shaft extends distally from the distal end of the hub assembly, the hub assembly including at least a portion manufactured from a first material; and

an interference fit structure including a second material helically disposed about at least a part of the portion of the hub assembly including the first material, the interference fit structure including a first portion having an outer diameter and a second portion having an outer diameter different from the outer diameter of the first portion, the first portion of the interference fit structure configured to contact and form an interference fit with an inner surface of a generally tubular member having a first inner diameter when the elongate shaft and the interference fit structure are disposed therein, and the second portion of the interference fit structure configured to contact and form an interference fit with an inner surface of a generally tubular member having a second inner diameter different from the first inner diameter when the elongate shaft and the interference fit structure are disposed therein;

wherein at least one of the first and second portions comprises a non-continuous ring having a gap between a first portion region of the ring and a second portion region of the ring.

2. (previously presented) The elongate medical device of claim 1, wherein the hub assembly further comprises:

a distal portion including at least a segment having a generally circular cross-section including the first material; and

a channel extending around the segment of the distal portion of the hub assembly including the first material, wherein at least a portion of the interference fit structure is disposed in the channel.

3. (previously presented) The elongate medical device of claim 1, wherein the hub assembly further comprises:

a manifold having a distal portion including the first material, wherein the interference fit structure is disposed about the distal portion of the manifold.

4. (original) The elongate medical device of claim 3, wherein the hub assembly further comprises:

a strain relief member, wherein the manifold and the strain relief member are integrally formed.

5. (withdrawn) The elongate medical device of claim 1, wherein the hub assembly further comprises:

a strain relief member, wherein the interference fit structure is disposed about the strain relief member.

6. (withdrawn) The elongate medical device of claim 5, wherein the hub assembly further comprises:

a manifold, wherein the strain relief member is affixed to the manifold.

7. (original) The elongate medical device of claim 1, wherein the second material is more compressible than the first material.

8. (original) The elongate medical device of claim 1, wherein the second material is readily deformable compared to the first material.

9. (original) The elongate medical device of claim 1, wherein the second material is elastomeric.

10. (previously presented) The elongate medical device of claim 1, wherein the interference fit structure includes a bead adhered to the first portion.

11-12. (cancelled)

13. (previously presented) The elongate medical device of claim 1, wherein the interference fit structure is an elongated elastomeric sleeve having an outer circumference that varies along a length of the elongated elastomeric sleeve.

14-18. (canceled)

19. (currently amended) An elongate medical device suitable for packaging in a generally tubular member, the generally tubular member having a lumen defined by an inner surface, the elongate medical device comprising:

an elongate shaft having a proximal portion and a distal portion;

a hub assembly including at least a portion manufactured from a first material, the hub assembly connected to the proximal portion of the elongate shaft such that the elongate shaft extends distally from the hub assembly, wherein the portion of the hub assembly manufactured from the first material includes a circumferential channel; and

a circumferential interference fit member disposed in the circumferential channel, the circumferential interference fit member including a non-continuous ring having a gap between a first portion of the ring and a second portion of the ring, the circumferential interference fit member including a second material helically disposed about at least a part of the portion of the hub assembly including the first material;

wherein the circumferential interference fit member is configured to form an interference fit with the inner surface of the generally tubular member when the elongate shaft and the circumferential interference fit member are disposed in the lumen of the tubular member; and

wherein the gap allows the first portion of the ring to be deflected toward the second portion of the ring when the circumferential interference fit member is disposed in the lumen of the tubular member.

20. (original) The elongate medical device of claim 19, wherein the hub assembly further comprises:

a manifold having a distal portion including the first material, wherein the circumferential interference fit member is disposed about the distal portion of the manifold.

21. (original) The elongate medical device of claim 20, wherein the hub assembly further comprises:

a strain relief member, wherein the manifold and the strain relief member are integrally formed.

22. (withdrawn) The elongate medical device of claim 19, wherein the hub assembly further comprises:

a strain relief member, wherein the circumferential interference fit member is disposed about the strain relief member.

23. (withdrawn) The elongate medical device of claim 22, wherein the hub assembly further comprises:

a manifold, wherein the strain relief member is affixed to the manifold.

24-25. (cancelled)

26. (previously presented) An elongate medical device packaging assembly comprising:

a generally tubular packaging member having a proximal end, a distal end and a lumen defined by an inner surface;

a hub assembly including a proximal end and a distal end, the hub assembly including at least a portion manufactured from a first material;

an elongate shaft having a proximal end and a distal end, the proximal end of the elongate shaft being connected to the hub assembly such that the elongate shaft extends distally from the distal end of the hub assembly; and

an interference fit member including a second material helically disposed about at least a part of the portion of the hub assembly including the first material;

wherein the elongate shaft and at least a distal portion of the hub assembly are disposed in the lumen of the generally tubular packaging member such that the interference fit member is engaged with the inner surface of the generally tubular packaging member to form an interference fit with the inner surface of the generally tubular packaging member.

27. (previously presented) The elongate medical device packaging assembly of claim 26, wherein the interference fit member is helically disposed about a tapered portion of the hub assembly.

28. (previously presented) The elongate medical device of claim 1, wherein the interference fit structure is helically disposed about the hub assembly.

29. (previously presented) The elongate medical device of claim 28, wherein the interference fit structure is disposed in a helical channel of the hub assembly.